
Zelenay named Electrochemical Society Fellow

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Piotr Zelenay of Materials Synthesis and Integrated Devices (MPA-11) is a new Fellow of the Electrochemical Society (ECS). This distinction is given to less than three percent of all of ECS members. To be named fellow, ECS requires “advanced individual technological contributions in the field of electrochemical and solid-state science and technology and active membership and involvement in the affairs of The Electrochemical Society.” Zelenay will be recognized at the October ECS Meeting in Cancun, Mexico.

Zelenay's achievements

Zelenay earned doctoral and doctor of science (“habilitation”) degrees in chemistry from the University of Warsaw, Poland, where he later served as a professor. He joined Los Alamos as a technical staff member in 1997, becoming project leader in 2001 and electrocatalysis team leader in 2008. His research focuses on fundamental and

applied aspects of polymer electrolyte fuel cell science and technology, electrocatalysis and electrode kinetics, including non-precious metal/precious metal electrocatalysis of oxygen reduction and methanol and dimethyl ether oxidation; hydrogen, direct methanol, and direct dimethyl ether fuel cells; electrode and membrane-electrode assembly development; and performance optimization of fuel cell materials and components. Zelenay has published over 100 research articles in renowned scientific journals, including *Nature*, *Science*, *Chemical Reviews*, and *Accounts of Chemical Research*. He has nine issued patents and eight patent applications in the area of polymer electrolyte fuel cells.

Zelenay has won a research award presented by the Energy Technology Division of The Electrochemical Society for his research on alternative energy sources, a DOE Hydrogen Program R&D Award in recognition of outstanding contributions to fuel cell technologies, the DOE “Energy 100” and “Energy @23” awards for fuel cells for transportation, and a LANL Distinguished Performance Award. The Lab has given him the Patent and Licensing Award 10 times. Zelenay is an affiliate professor at the University of Warsaw, a member of the Electrochemical Society and International Society of Electrochemistry, a member of the editorial board of *Electrocatalysis*, and a steering committee board member for the International Academy of Electrochemical Energy Science.

About the Electrochemical Society

ECS has more than 9,000 scientists and engineers holding individual memberships in over 75 countries worldwide, and close to 100 corporations and laboratories with corporate memberships. This is only the third time that a Los Alamos employee has been honored with the rank of ECS Fellow. The two previous LANL recipients, both from what is now MPA-11, are Shimshon Gottesfeld (1999) and Fernando Garzon (2008).

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